

Docket No. END920010039US1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application: Ngai et al.

Group Art Unit: : IBM Corporation  
 Examiner: : Intellectual Property Law  
 Serial No.: : Dept. N50, Bldg. 040-4  
 Filed: Herewith : 1701 North Street  
 : Endicott, NY 13760

Title: DISTRIBUTED CONTROL STRATEGY FOR DYNAMICALLY ENCODING  
 MULTIPLE STREAMS OF VIDEO DATA IN PARALLEL FOR  
 MULTIPLEXING ONTO A CONSTANT BIT RATE CHANNEL

Assistant Commissioner for Patents  
 Washington, D.C. 20231

Dear Sir:

INFORMATION DISCLOSURE STATEMENT

It is respectfully requested that the publications identified below and listed on the enclosed PTO-1449 Form(s) be considered by the United States Patent and Trademark Office (USPTO) in the subject United States patent application and be made of record therein. A copy of each publication is enclosed, and this submission is otherwise believed to be in compliance with 37 C.F.R. Sections 1.97 and 1.98. This information is all the material information, as defined in 37 C.F.R. Section 1.56(a), of which the submitter is aware. However, no representation is made or intended that a search has been made or that no other such material information exists.

PATENTS

- |                   |                |                 |
|-------------------|----------------|-----------------|
| 1. 5,576,765      | 2. 5,854,658   | 3. 6,005,620    |
| 4. 6,040,861      | 5. 6,084,910   | 6. 6,118,823    |
| 7. 6,167,084      | 8. WO 00/41397 | 9. EP 1005233A1 |
| 10. JP 2000078577 |                |                 |
11. "Structured Metadata for Application Specific Viewers for Streamed Internet Video/Audio", IBM Technical Disclosure Bulletin, Vol. 40, No. 10, October, 1997, pps. 123-127.



12. Mohsenian et al, pending U.S. patent application Serial No. 09/044,642, filed March 19, 1998, entitled "Real-Time Single Pass Variable Bit Rate Control Strategy And Encoder".
13. Boice et al., pending U.S. patent application Serial No. 09/046,118, filed March 20, 1998, entitled "Adaptive Encoding Of A Sequence Of Still Frames Or Partially Still Frames Within Motion Video".
14. Boroczky et al., pending U.S. patent application Serial No. 09/087,603, filed May 29, 1998, entitled "Control Strategy For Dynamically Encoding Multiple Streams Of Video Data In Parallel For Multiplexing Onto A Constant Bit Rate Channel".
15. Boroczky et al., pending U.S. patent application Serial No. 09/225,193, filed January 5, 1999, entitled "Adaptively Encoding Multiple Streams Of Video Data In Parallel For Multiplexing Onto A Constant Bit Rate Channel".
16. "Statistical Multiplexing Using MPEG-2 Video Encoders", by L. Boroczky, A.Y. Ngai, E.F. Westermann, Journal of Research and Development, Vol. 43, No. 4, July 1999, pps. 510-520.

None of the above-cited publications, taken singularly or in combination, teach or suggest the invention as defined by the claims provided in the instant application.


Respectfully submitted,

Dated: July 05, 2001

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By: Kevin P. Radigan  
Kevin P. Radigan, Esq.  
Reg. No. 31,789

<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. <b>END920010039US1</b>		SERIAL NO.	
				APPLICANT(S) <b>Ngai et al.</b>			
				FILING DATE <b>Herewith</b>		GROUP	

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 10/05/1004  


U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	5,576,765	11/19/96	Cheney et al.	348	407	
	AB	5,854,658	12/29/98	Uz et al.	348	419	
	AC	6,005,620	12/21/99	Yang et al.	348	385	
	AD	6,040,861	03/21/00	Boroczky et al.	348	409	
	AE	6,084,910	07/04/00	Stanger et al.	375	240	
	AF	6,118,823	09/12/00	Carr et al.	375	240.28	
	AG	6,167,084	12/26/00	Wang et al.	375	240.02	

FOREIGN PATENT DOCUMENTS								
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AH	WO 00/41397	07/13/00	PCT	HO4N	7/58		
	AI	EP 1005233A1	05/31/00	Europe	HO4N	7/50		
	AJ	JP 2000078577	03/14/00	Japan	HO4N	7/24		

OTHER DOCUMENTS <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>			
		AK	IBM Technical Disclosure Bulletin, Vol. 40, No. 10, October, 1997, "Structured Metadata for Application Specific Viewers for Streamed Internet Video/Audio", pps. 123-127
		AL	Mohsenian et al. pending U.S. patent application Serial No. 09/044,642, filed March 19, 1998, entitled "Real-Time Single Pass Variable Bit Rate Control Strategy And Encoder"

EXAMINER	DATE CONSIDERED
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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**U.S. PATENT DOCUMENTS**

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DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO

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		AM	Boice et al., pending U.S. patent application Serial No. 09/046,118, filed March 20, 1998, entitled "Adaptive Encoding Of A Sequence Of Still Frames Or Partially Still Frames Within Motion Video"
		AN	Boroczky et al., pending U.S. patent application Serial No. 09/087,603, filed May 29, 1998, entitled "Control Strategy For Dynamically Encoding Multiple Streams Of Video Data In Parallel For Multiplexing Onto A Constant Bit Rate Channel"

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